

each react with at least two different reactive groups, said method comprising the steps of:

- D1
B+
consider -*
- (a) contacting the biomolecule with the mass-coded [molecular] combinatorial library, whereby members of the mass-coded [molecular] combinatorial library which are ligands for the biomolecule bind to the biomolecule to form biomolecule-ligand complexes and members of the mass-coded library which are not ligands for the biomolecule remain unbound;
 - (b) separate the biomolecule-ligand complexes from the unbound members of the mass-coded [molecular] combinatorial library;
 - (c) dissociating the biomolecule-ligand complexes; and
 - (d) determining the molecular mass of each ligand to identify the set of n peripheral moieties present in each ligand,

wherein the molecular mass of each ligand corresponds to a set of n peripheral moieties present in that ligand, thereby identifying a member of the mass-coded combinatorial library which is a ligand for the biomolecule.

Claim 19, line 3, after "or" insert --more--; line 4, replace "molecular" with --combinatorial--; and line 7, replace "molecular" with --combinatorial--.

Claim 20, line 2, replace "molecular" with --combinatorial--; line 6, replace "molecular" with --combinatorial--; and line 8, replace "molecular" with --combinatorial--.

cf note Claim 21, line 2, replace "molecular" with --combinatorial--; line 6, replace "molecular" with --combinatorial--; and line 7, replace "compounds" with --compounds--.

Please add the following claims:

B2 --51. The method of claim 10, wherein at least about 90% of said combinations of n peripheral moieties derived from said subset have molecular mass sums which are distinct from the molecular mass sums of all other combinations of n peripheral moieties derived from said subset.--